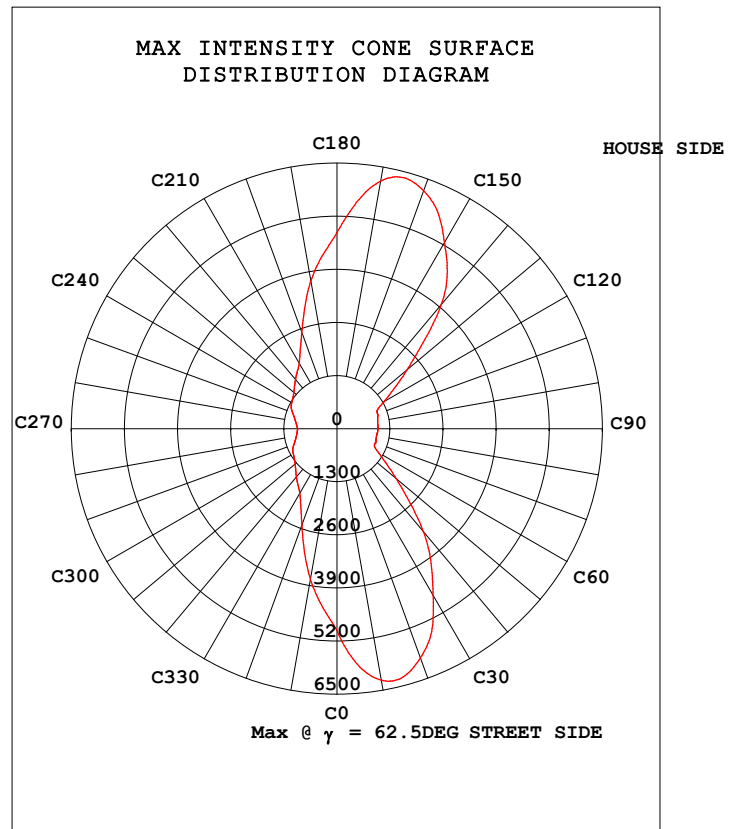
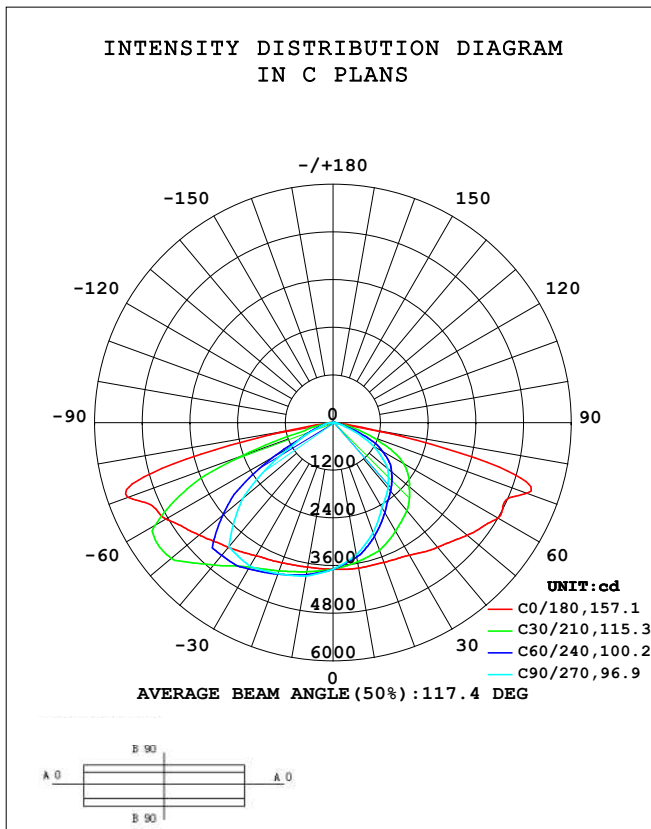


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.4221A P:91.32W PF:0.9796 Lamp Flux:14382.4x1 lm					
NAME: OPCITYIII-90W-4070-6C1T2-068			TYPE:LED		WEIGHT:
SPEC.:			DIM.: 0.46X0.236X0.04		SERIAL No.:1
MFR.: LUXSUN			SUR.:0.17X0.17		Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.50 lm/W			
MODEL	LED	Imax (cd)	6359	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	90	LOR (%)	100.0	$\eta$ street_down (%)	50.3
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	14382	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	14382.4	MAXIMUM @ (C, $\gamma$ )	165,62.5	$\eta$ house_down (%)	49.7
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	21.302



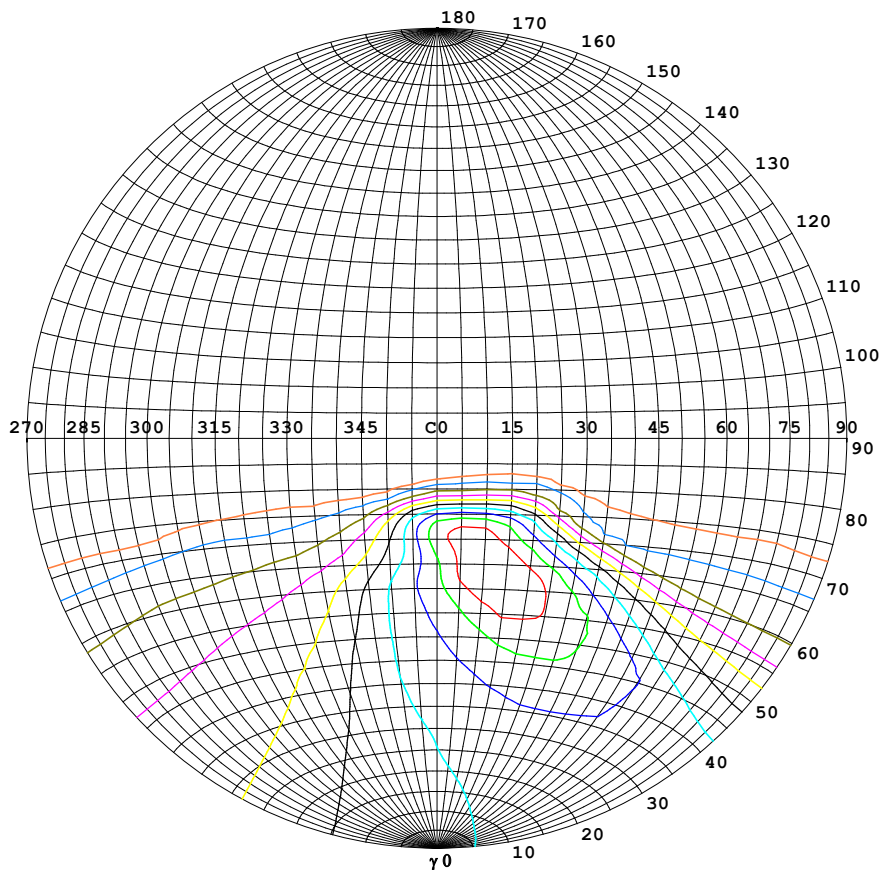
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

Note: SLI:Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.4221A P:91.32W PF:0.9796 Lamp Flux:14382.4x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



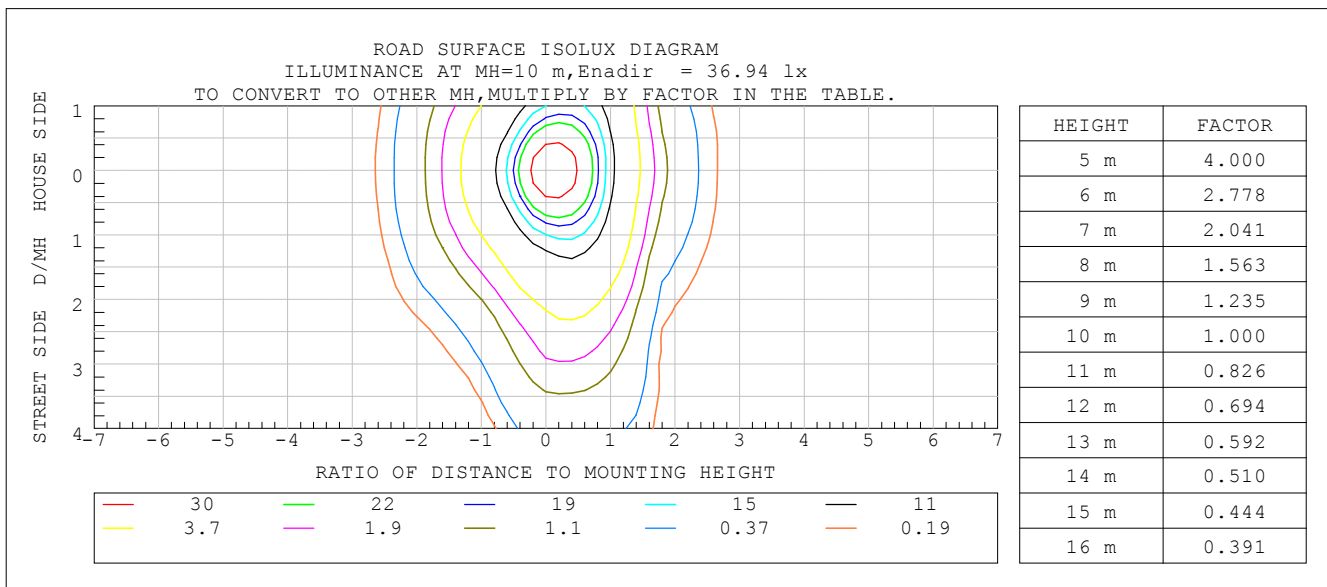
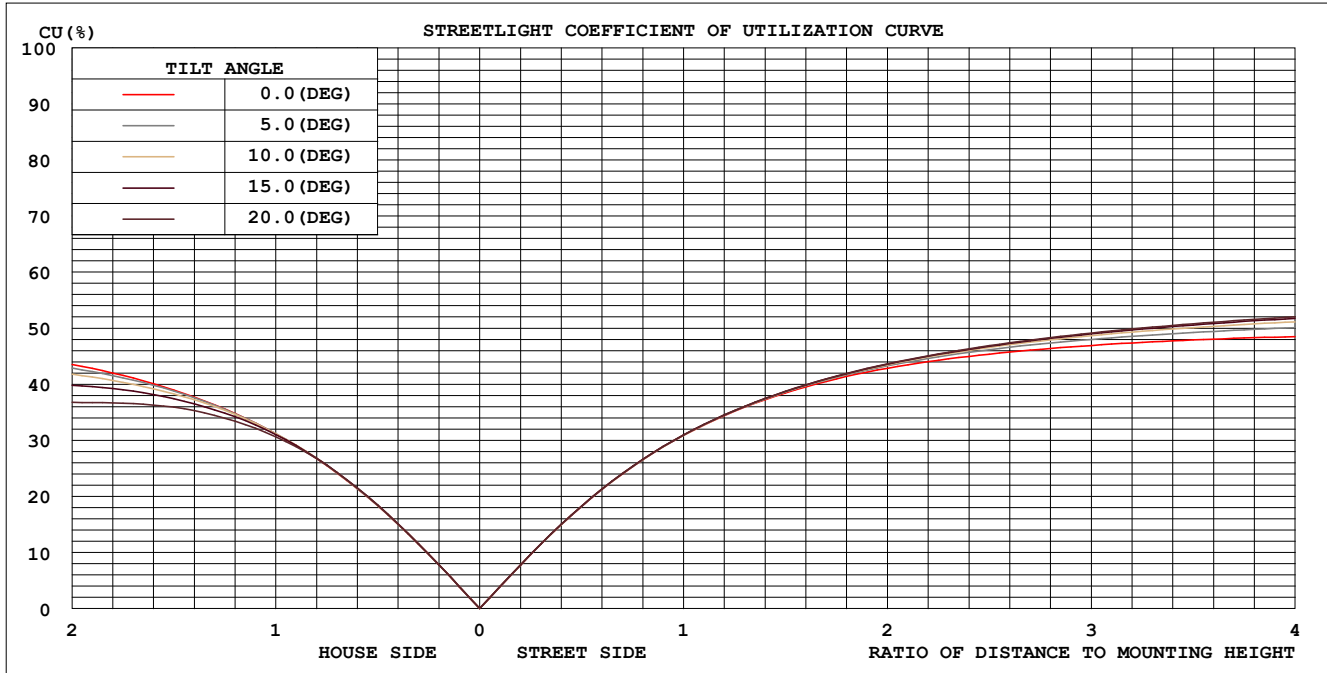
## Classification:

IES:Type IV - Short  
CIE:Broad - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:114.1cd/klm  
Max.At90:3.980cd/klm  
Max.80-90:114.1cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	6359
90%	5723
80%	5087
70%	4451
60%	3816
50%	3180
40%	2544
30%	1908
20%	1272
10%	636
5%	318

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.4221A P:91.32W PF:0.9796 Lamp Flux:14382.4x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

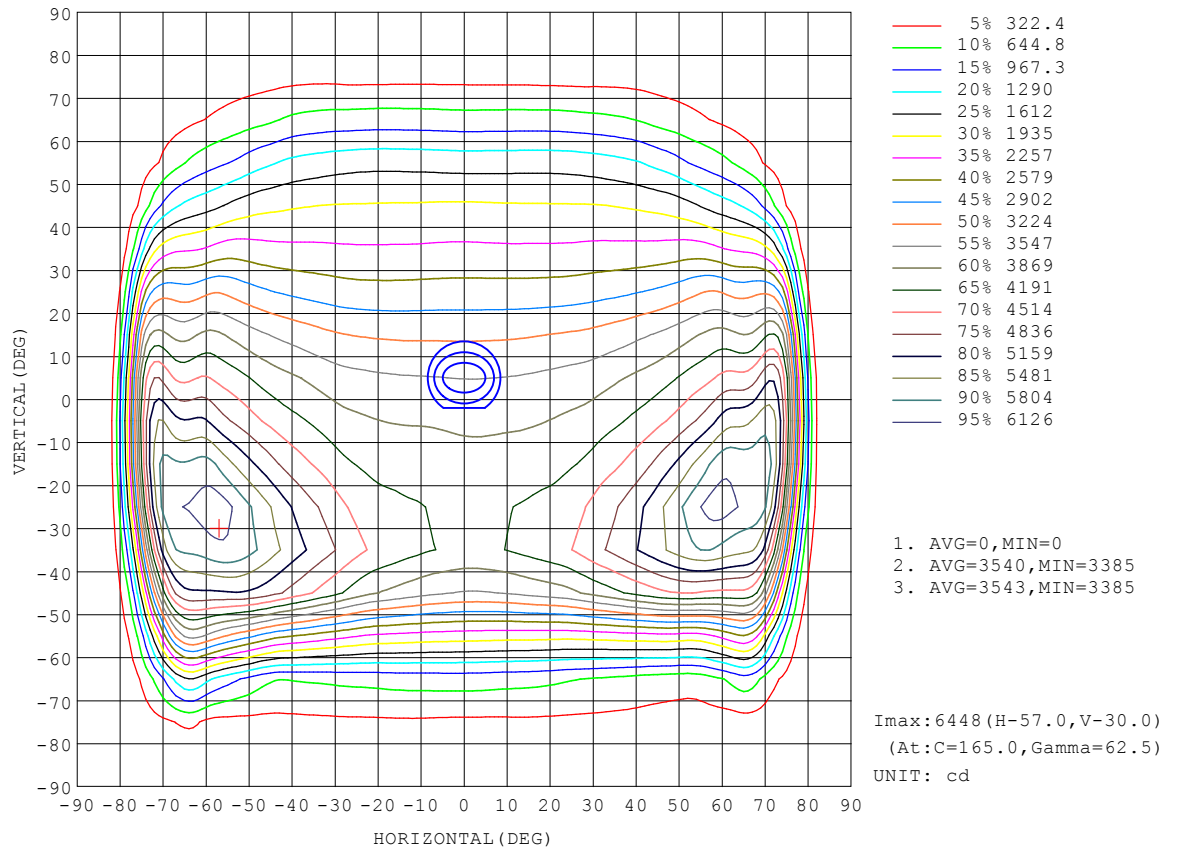
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	3691	3770	3807	3786	3707	3591	3539	3584	0- 5	88.14	88.14	0.61,0.61
10	3696	3855	3921	3889	3719	3490	3385	3485	5- 10	263.4	351.5	2.44,2.44
15	3716	3943	3983	3980	3724	3374	3168	3383	10- 15	435.2	786.7	5.47,5.47
20	3756	4025	4044	4052	3745	3198	2951	3223	15- 20	600.3	1387	9.64,9.64
25	3808	4128	4112	4139	3786	3007	2707	3047	20- 25	758.3	2145	14.9,14.9
30	3871	4237	4179	4254	3853	2817	2463	2861	25- 30	908.1	3053	21.2,21.2
35	3981	4399	4130	4441	3977	2628	2310	2665	30- 35	1053	4106	28.6,28.6
40	4100	4604	4080	4677	4098	2436	2158	2467	35- 40	1195	5301	36.9,36.9
45	4231	4725	3525	4843	4231	2293	1980	2315	40- 45	1320	6621	46.46
50	4403	4773	2970	4954	4411	2121	1803	2132	45- 50	1405	8026	55.8,55.8
55	4592	4090	2093	4487	4586	1917	1489	1913	50- 55	1441	9467	65.8,65.8
60	4854	3243	1216	3833	4799	1666	1174	1644	55- 60	1397	10864	75.5,75.5
65	4994	1681	794.1	2077	4756	1271	766.7	1210	60- 65	1254	12118	84.3,84.3
70	5496	593.8	371.9	801.3	5201	820.7	359.5	745.4	65- 70	1015	13133	91.3,91.3
75	4467	321.6	264.0	369.3	4341	367.9	219.2	323.2	70- 75	762.0	13895	96.6,96.6
80	1039	196.5	156.1	218.6	975.3	177.6	78.84	152.9	75- 80	385.9	14281	99.3,99.3
85	99.55	55.52	0	62.85	77.31	36.43	0	30.60	80- 85	90.18	14371	99.9,99.9
90	57.25	0	0	0	49.21	0	0	0	85- 90	11.13	14382	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

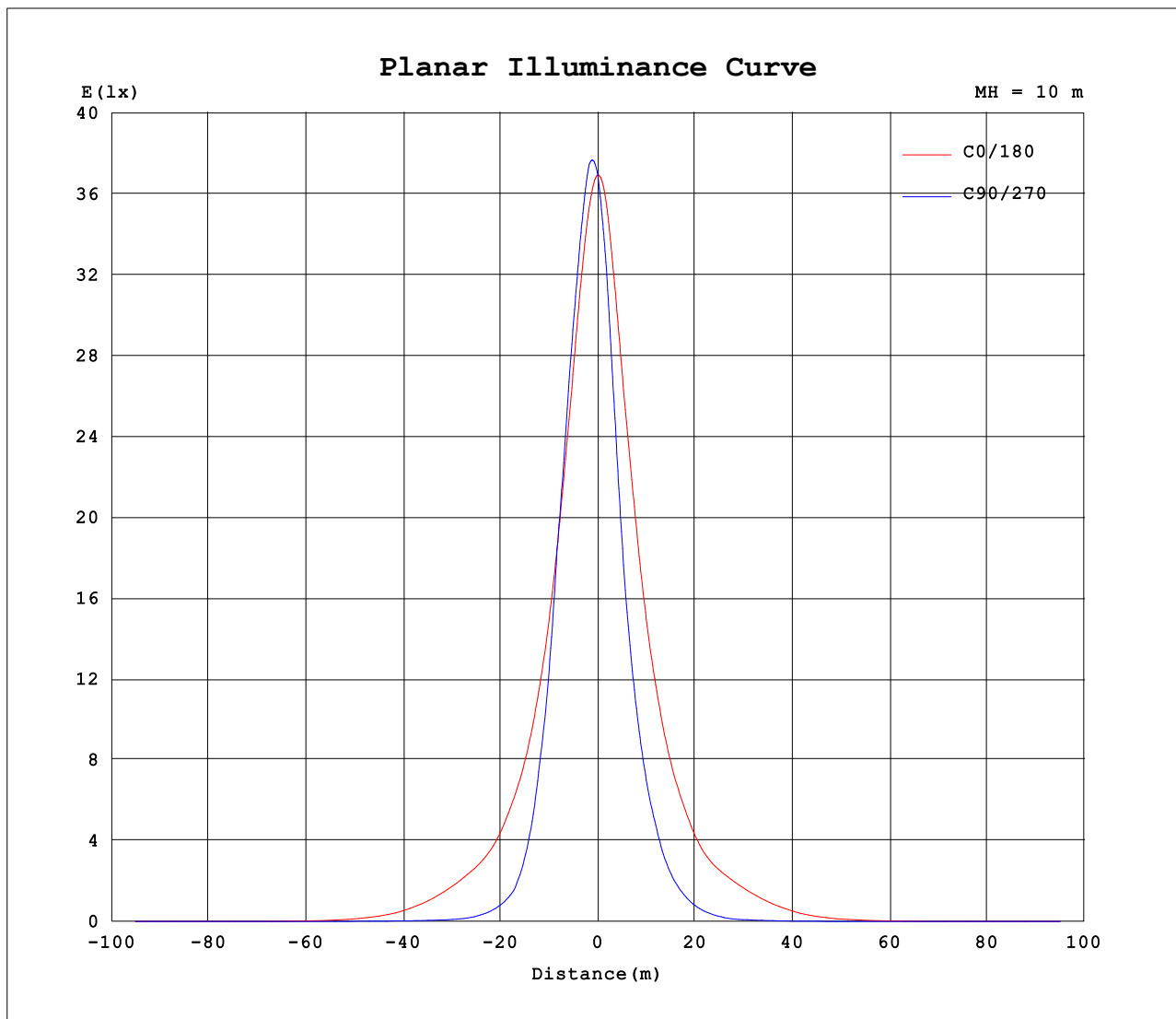
Test:U:220.8V I:0.4221A P:91.32W PF:0.9796 Lamp Flux:14382.4x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



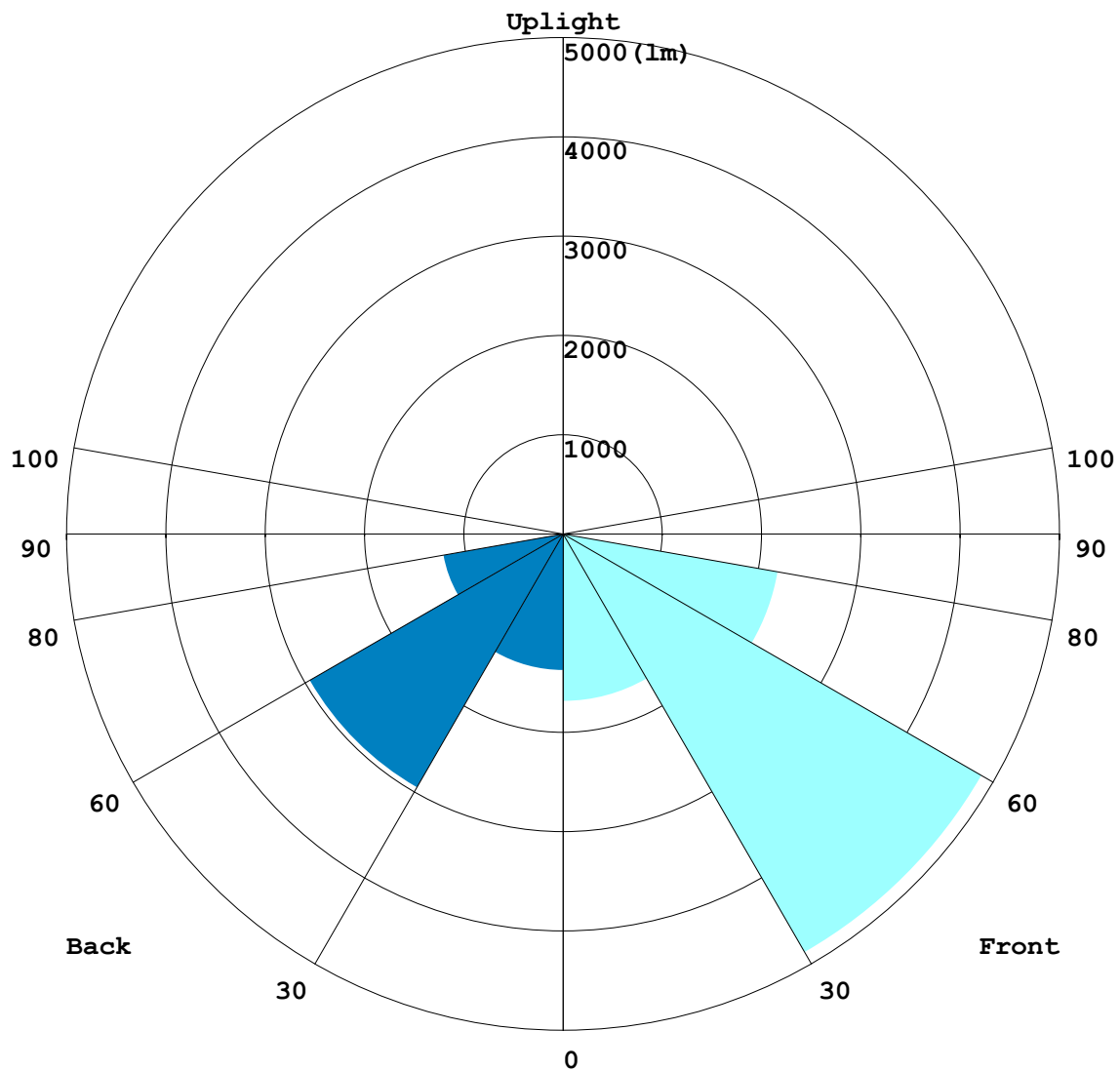
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.8V I:0.4221A P:91.32W PF:0.9796 Lamp Flux:14382.4x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:220.8V I:0.4221A P:91.32W PF:0.9796 Lamp Flux:14382.4x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1683	11.7
FM - Front-Medium(30-60)	4863.3	33.8
FH - Front-High(60-80)	2194	15.3
FVH - Front-Very High(80-90)	70.535	0.5
Total Forward Light	8810.8	61.3

BL - Back-Low(0-30)	1370.4	9.5
BM - Back-Medium(30-60)	2947.3	20.5
BH - Back-High(60-80)	1223.1	8.5
BVH - Back-Very High(80-90)	30.771	0.2
Total Back Light	5571.6	38.7

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5571.6	0	5571.6
Street Side	8810.8	0	8810.8

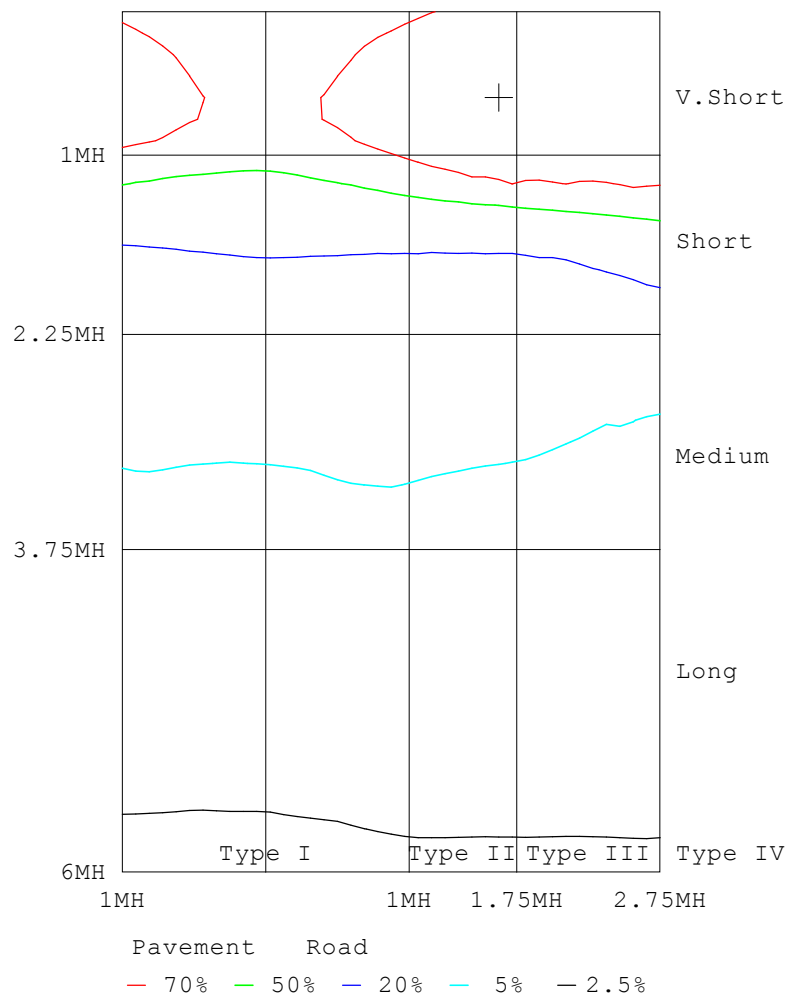
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.4221A P:91.32W PF:0.9796 Lamp Flux:14382.4x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```